

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050522\
 Data File : VD072838.D
 Acq On : 06 May 2022 06:03
 Operator : VA/SY
 Sample : N2676-01
 Misc : 6.70G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 GT-05-(11-15)

Quant Time: May 06 06:31:27 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050222S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 03 08:33:49 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.973	168	354897	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	662951	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	632708	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	397254	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.326	65	219307	47.605	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	95.200%
35) Dibromofluoromethane	7.908	113	214313	46.030	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	92.060%
50) Toluene-d8	10.332	98	908670	54.407	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	108.820%
62) 4-Bromofluorobenzene	12.620	95	554639	89.063	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	178.120%#

Target Compounds

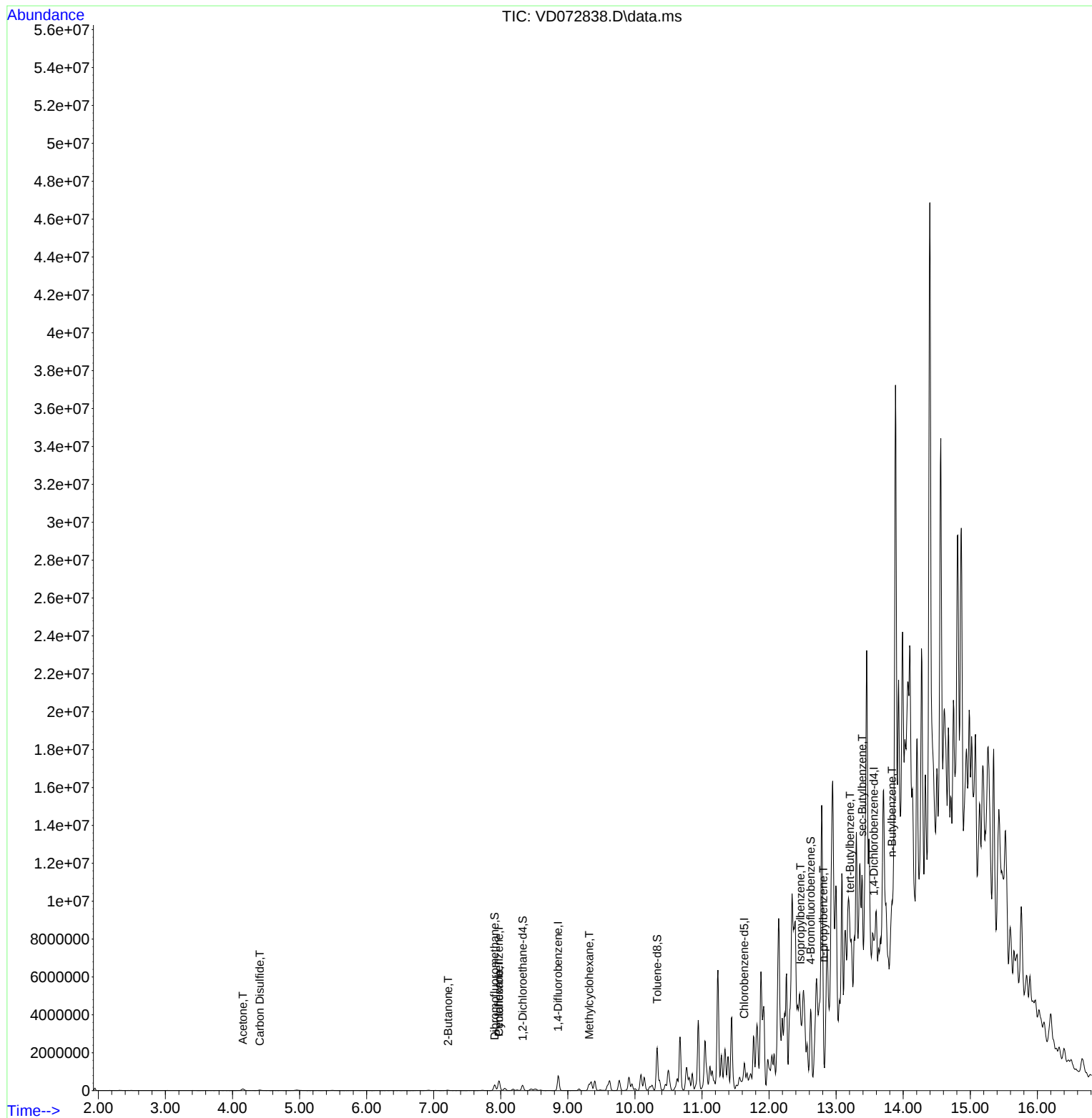
						Qvalue
16) Acetone	4.156	43	151131	170.858	ug/l	94
17) Carbon Disulfide	4.409	76	61717	4.587	ug/l	98
25) 2-Butanone	7.214	43	30527	22.743	ug/l	91
31) Cyclohexane	7.973	56	15850	1.968	ug/l #	45
39) Methylcyclohexane	9.320	83	102261	11.645	ug/l #	36
73) Isopropylbenzene	12.467	105	162356	5.253	ug/l	100
78) n-propylbenzene	12.808	91	215483	5.532	ug/l	87
83) tert-Butylbenzene	13.208	119	125324	5.625	ug/l	73
85) sec-Butylbenzene	13.390	105	1053993	31.364	ug/l #	74
89) n-Butylbenzene	13.832	91	201639	7.555	ug/l	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

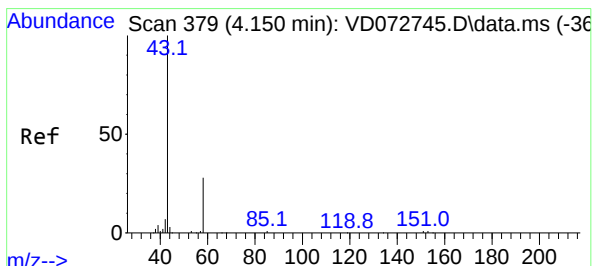
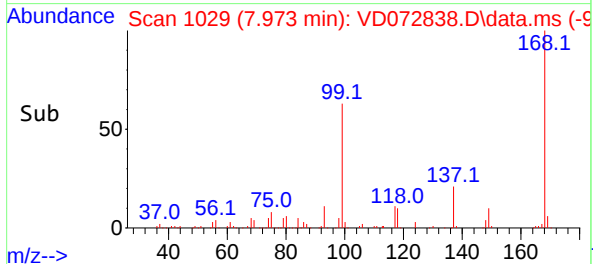
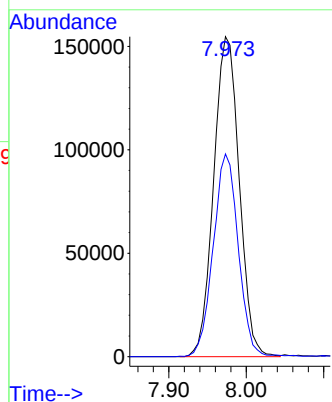
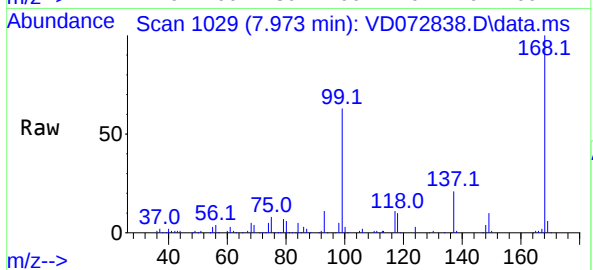




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD072838.D
Acq: 06 May 2022 06:03

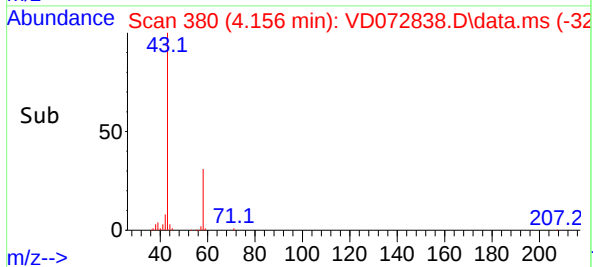
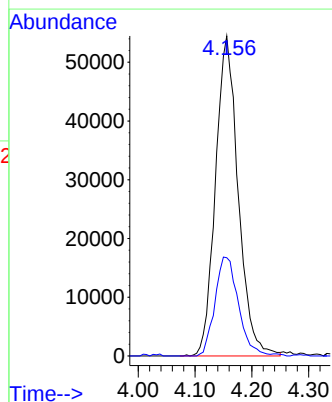
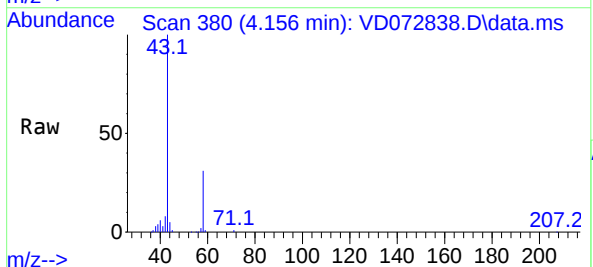
Instrument :
MSVOA_D
ClientSampleId :
GT-05-(11-15)

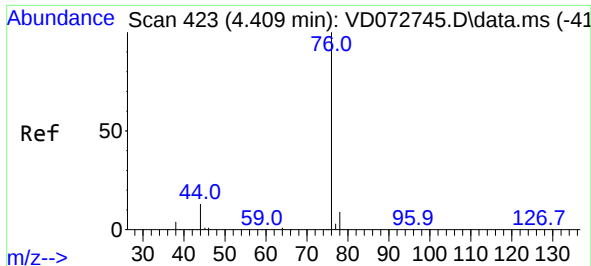
Tgt Ion:168 Resp: 354897
Ion Ratio Lower Upper
168 100
99 63.2 49.8 74.6



#16
Acetone
Concen: 170.858 ug/l
RT: 4.156 min Scan# 380
Delta R.T. 0.006 min
Lab File: VD072838.D
Acq: 06 May 2022 06:03

Tgt Ion: 43 Resp: 151131
Ion Ratio Lower Upper
43 100
58 30.7 22.1 33.1

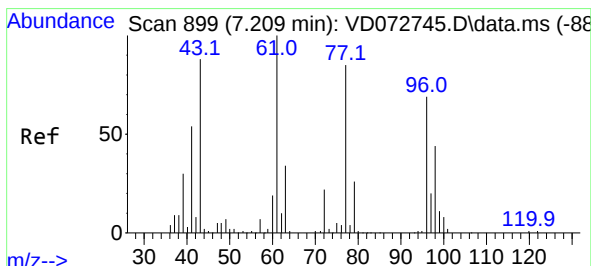
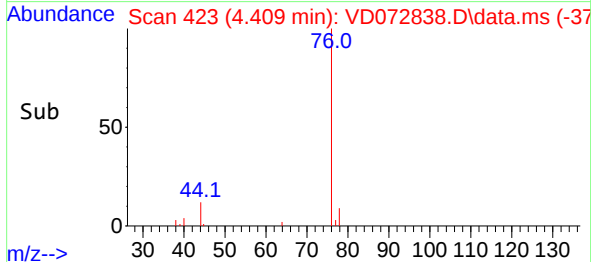
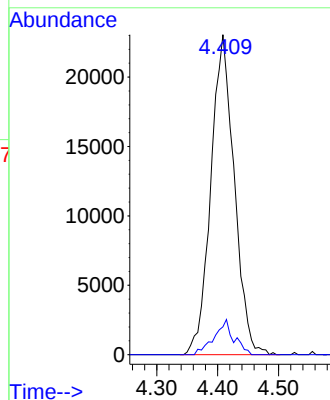
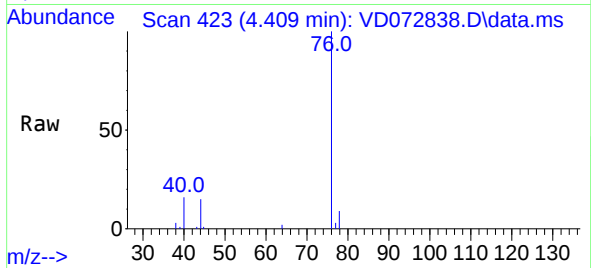




#17
Carbon Disulfide
Concen: 4.587 ug/l
RT: 4.409 min Scan# 41
Delta R.T. -0.000 min
Lab File: VD072838.D
Acq: 06 May 2022 06:03

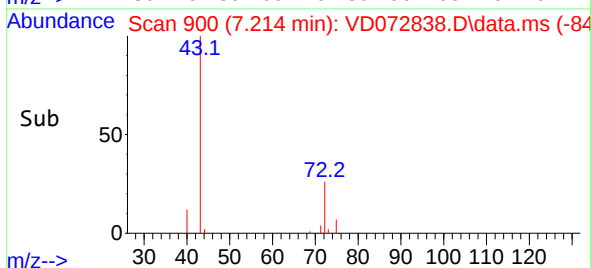
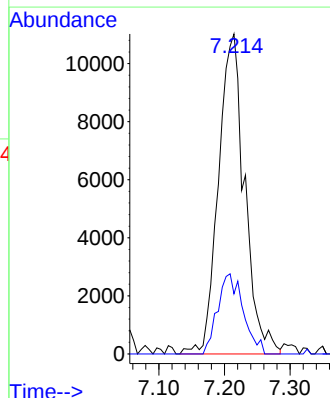
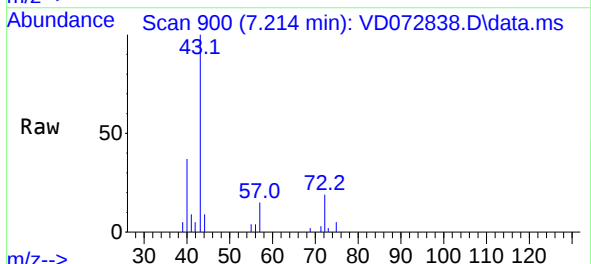
Instrument :
MSVOA_D
ClientSampleId :
GT-05-(11-15)

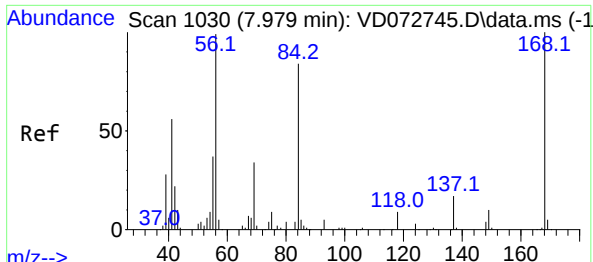
Tgt Ion: 76 Resp: 61717
Ion Ratio Lower Upper
76 100
78 8.7 7.5 11.3



#25
2-Butanone
Concen: 22.743 ug/l
RT: 7.214 min Scan# 900
Delta R.T. 0.005 min
Lab File: VD072838.D
Acq: 06 May 2022 06:03

Tgt Ion: 43 Resp: 30527
Ion Ratio Lower Upper
43 100
72 18.8 18.6 27.8

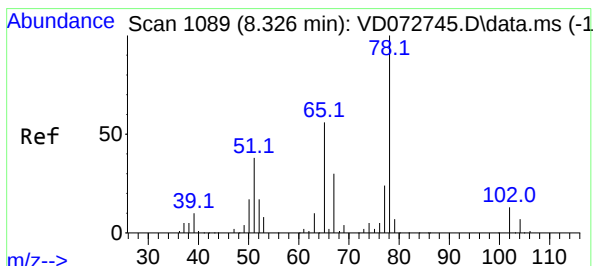
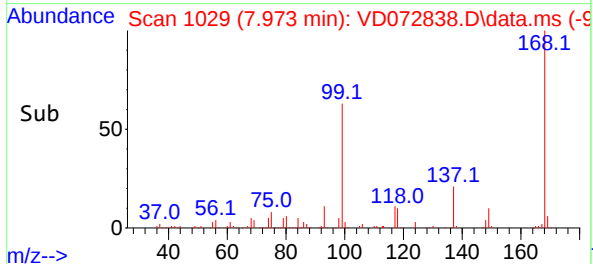
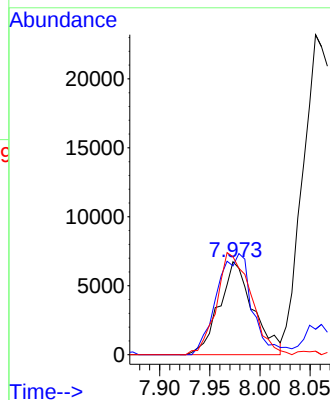
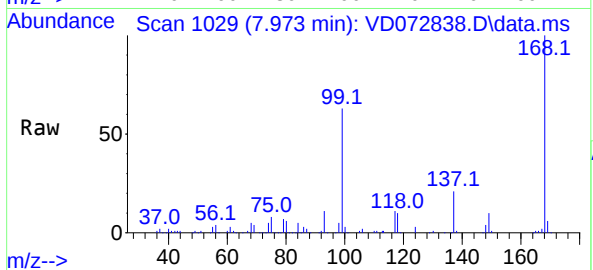




#31
Cyclohexane
Concen: 1.968 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD072838.D
Acq: 06 May 2022 06:03

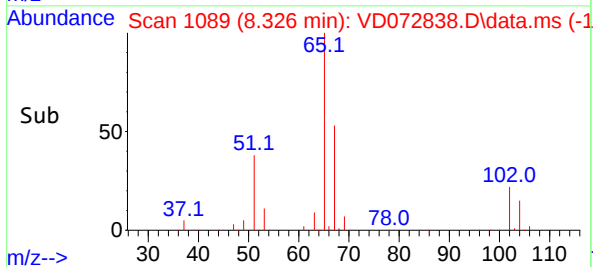
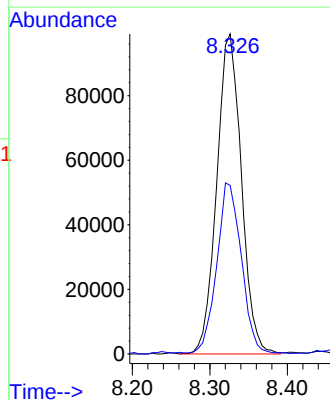
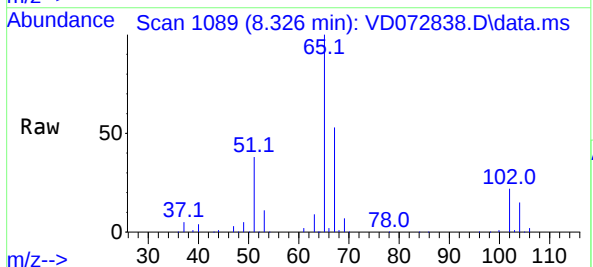
Instrument :
MSVOA_D
ClientSampleId :
GT-05-(11-15)

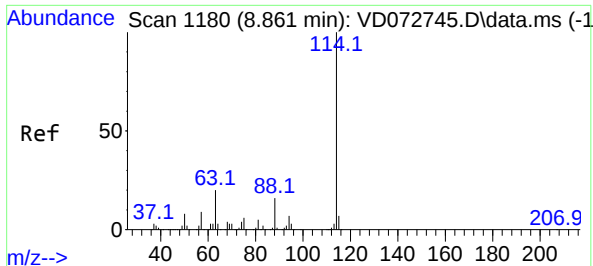
Tgt Ion: 56 Resp: 15850
Ion Ratio Lower Upper
56 100
69 95.5 25.4 38.2#
84 105.2 63.0 94.4#



#33
1,2-Dichloroethane-d4
Concen: 47.605 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD072838.D
Acq: 06 May 2022 06:03

Tgt Ion: 65 Resp: 219307
Ion Ratio Lower Upper
65 100
67 53.0 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1180

Delta R.T. -0.006 min

Lab File: VD072838.D

Acq: 06 May 2022 06:03

Instrument :

MSVOA_D

ClientSampleId :

GT-05-(11-15)

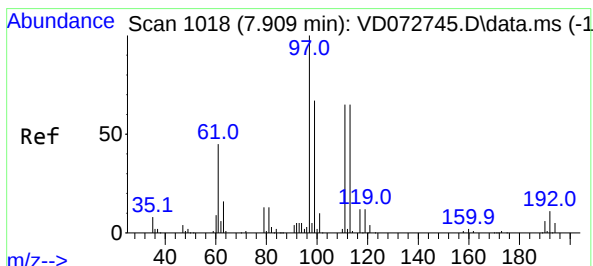
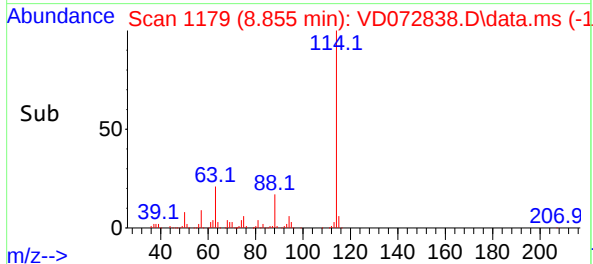
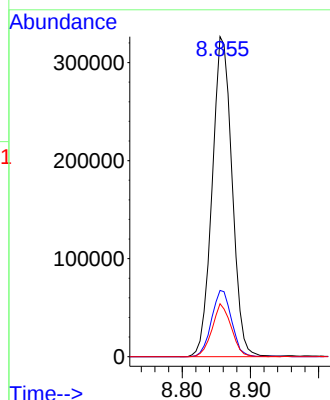
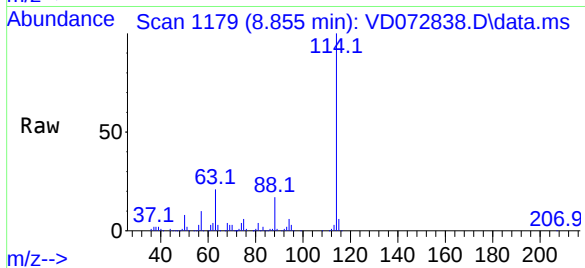
Tgt Ion:114 Resp: 662951

Ion Ratio Lower Upper

114 100

63 20.7 0.0 46.6

88 16.5 0.0 33.2



#35

Dibromofluoromethane

Concen: 46.030 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.001 min

Lab File: VD072838.D

Acq: 06 May 2022 06:03

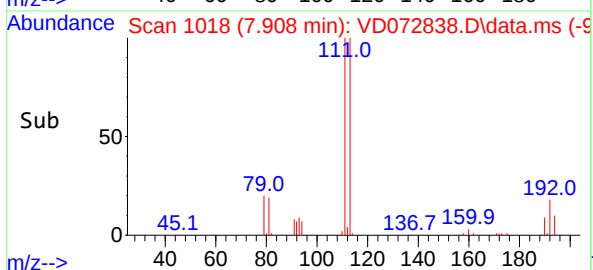
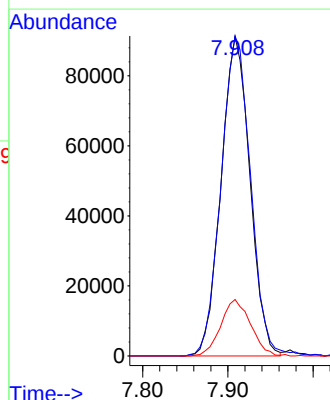
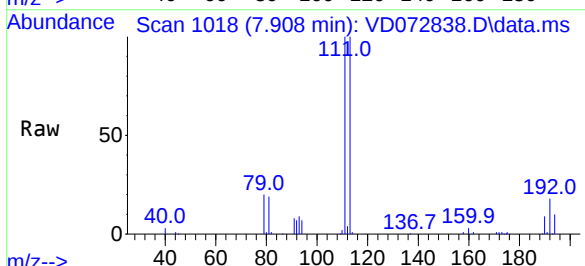
Tgt Ion:113 Resp: 214313

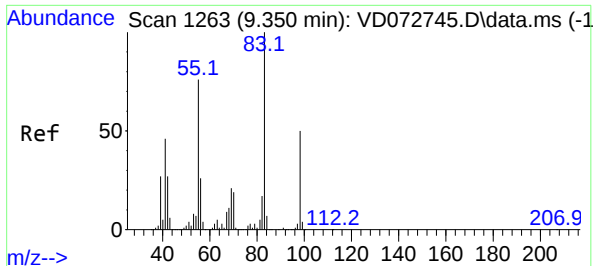
Ion Ratio Lower Upper

113 100

111 102.8 83.8 125.6

192 18.3 14.6 21.8

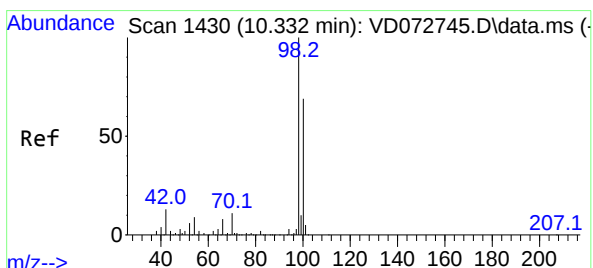
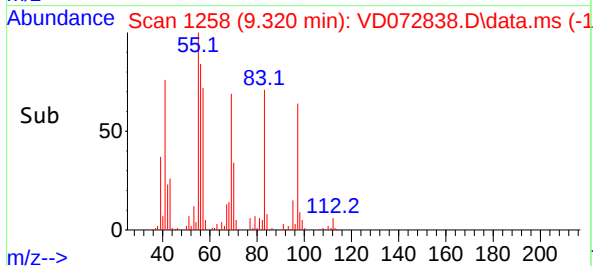
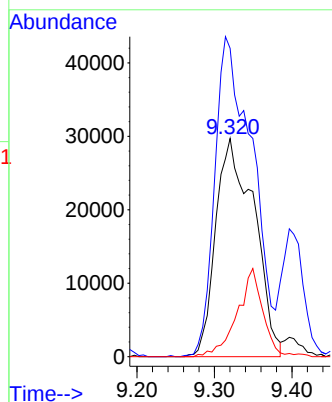
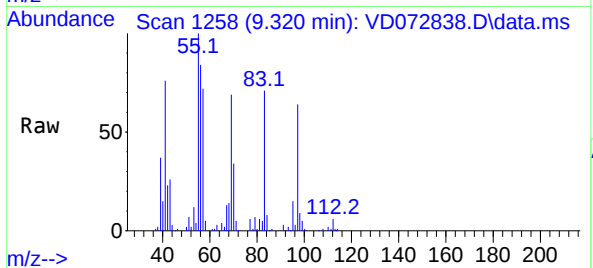




#39
Methylcyclohexane
Concen: 11.645 ug/l
RT: 9.320 min Scan# 11
Delta R.T. -0.030 min
Lab File: VD072838.D
Acq: 06 May 2022 06:03

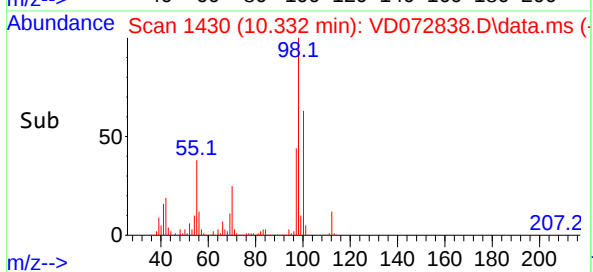
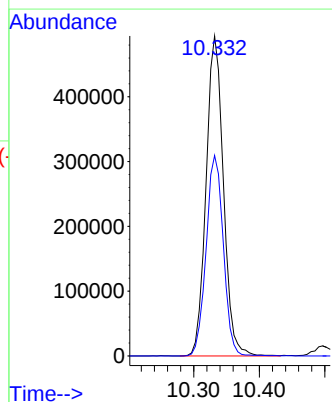
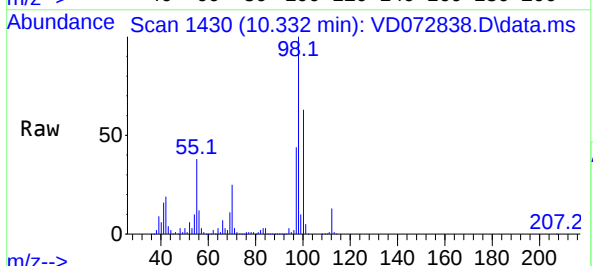
Instrument :
MSVOA_D
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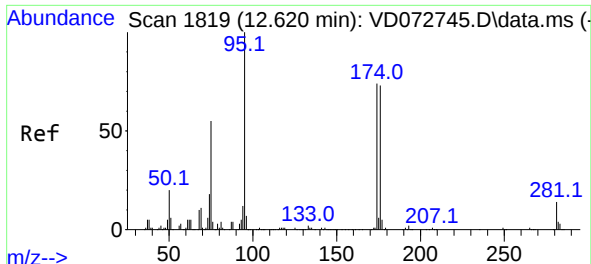
Tgt Ion: 83 Resp: 102261
Ion Ratio Lower Upper
83 100
55 141.3 63.2 94.8#
98 12.2 38.2 57.4#



#50
Toluene-d8
Concen: 54.407 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD072838.D
Acq: 06 May 2022 06:03

Tgt Ion: 98 Resp: 908670
Ion Ratio Lower Upper
98 100
100 62.2 52.4 78.6

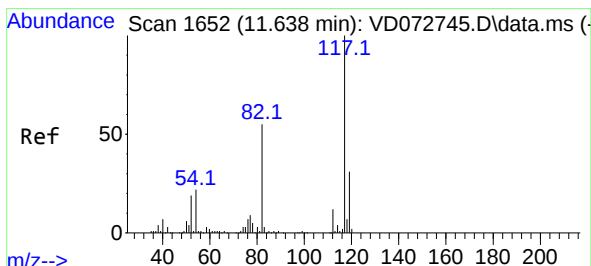
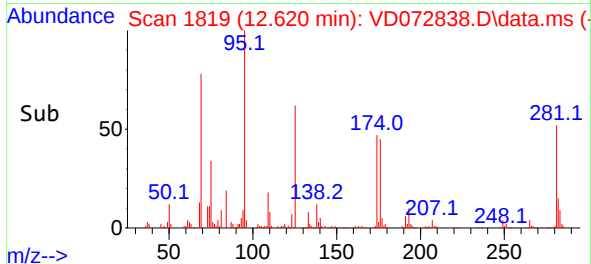
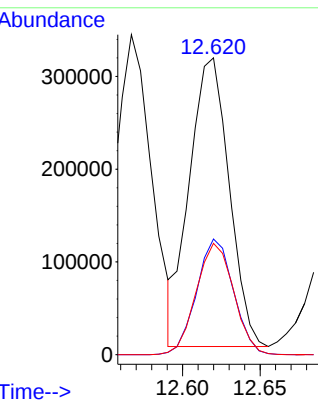
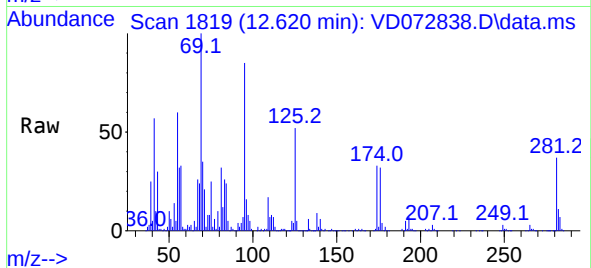




#62
4-Bromofluorobenzene
Concen: 89.063 ug/l
RT: 12.620 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD072838.D
Acq: 06 May 2022 06:03

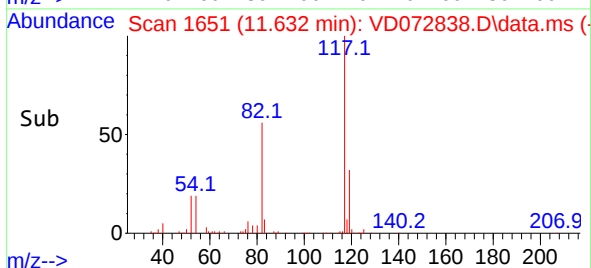
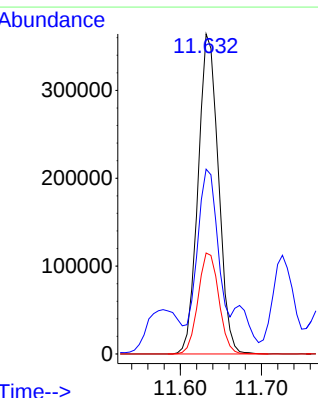
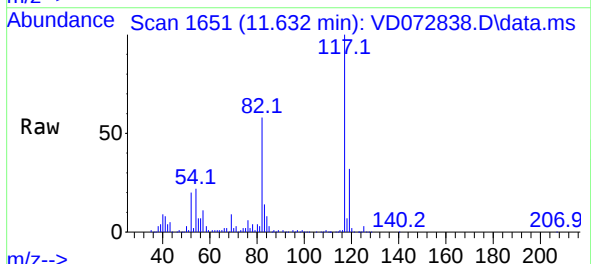
Instrument :
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GT-05-(11-15)

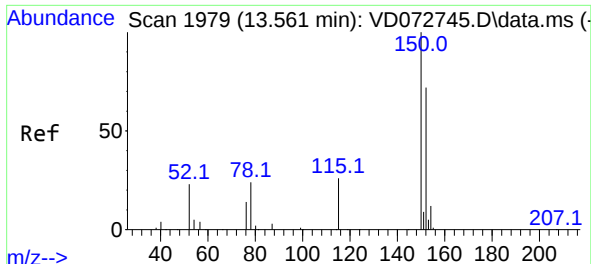
Tgt Ion: 95 Resp: 554639
Ion Ratio Lower Upper
95 100
174 37.2 0.0 152.8
176 36.4 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. -0.006 min
Lab File: VD072838.D
Acq: 06 May 2022 06:03

Tgt Ion: 117 Resp: 632708
Ion Ratio Lower Upper
117 100
82 48.2 45.3 67.9
119 31.6 26.6 40.0

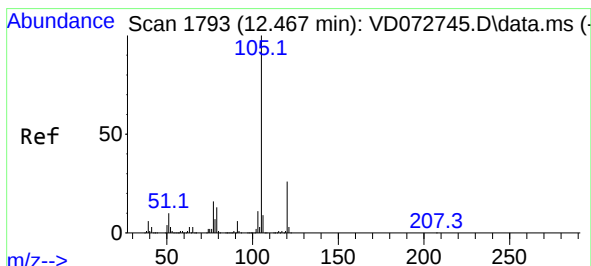
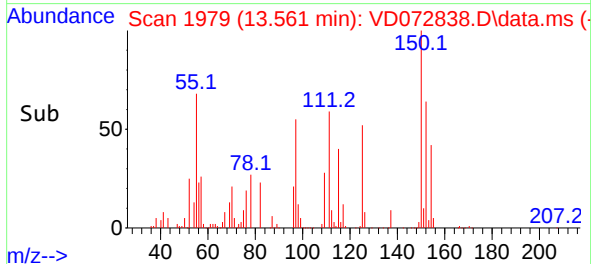
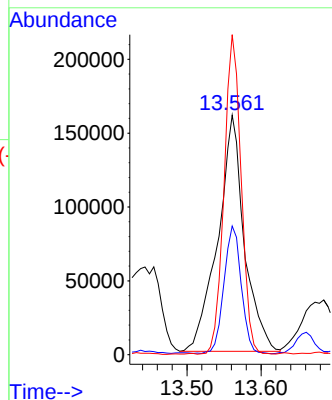
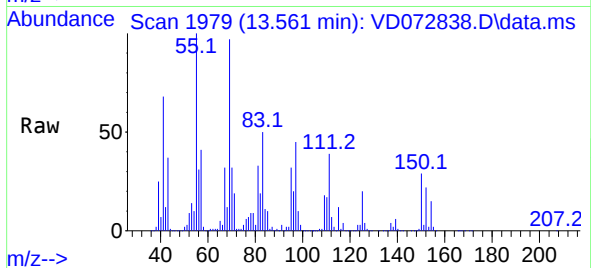




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1799
Delta R.T. 0.000 min
Lab File: VD072838.D
Acq: 06 May 2022 06:03

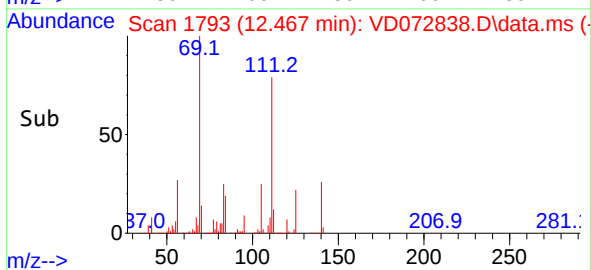
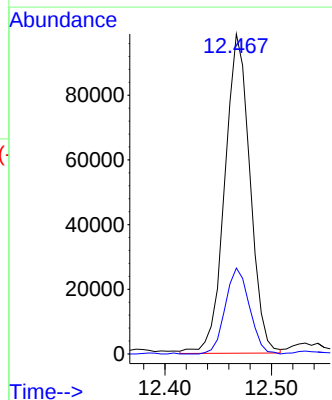
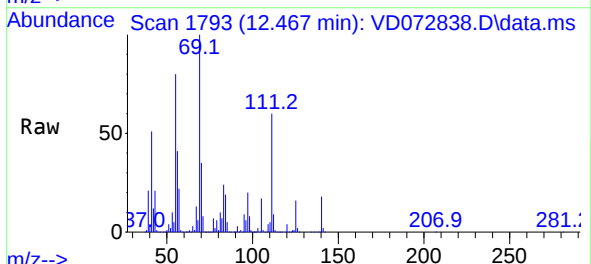
Instrument :
MSVOA_D
ClientSampleId :
GT-05-(11-15)

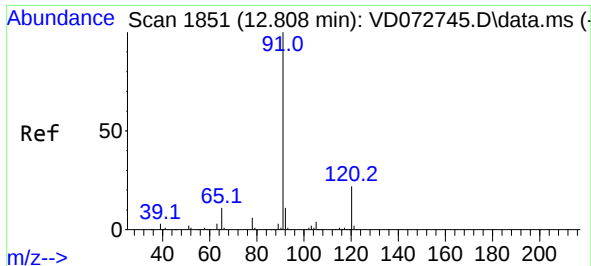
Tgt Ion:152 Resp: 397254
Ion Ratio Lower Upper
152 100
115 35.4 31.3 93.8
150 87.0 0.0 348.6



#73
Isopropylbenzene
Concen: 5.253 ug/l
RT: 12.467 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VD072838.D
Acq: 06 May 2022 06:03

Tgt Ion:105 Resp: 162356
Ion Ratio Lower Upper
105 100
120 25.7 13.0 38.9

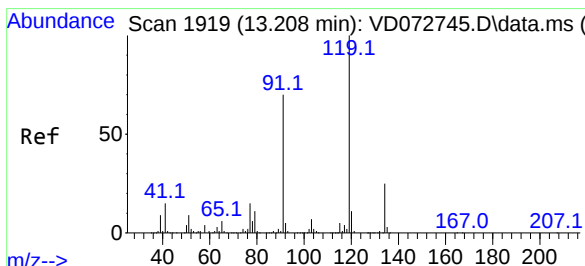
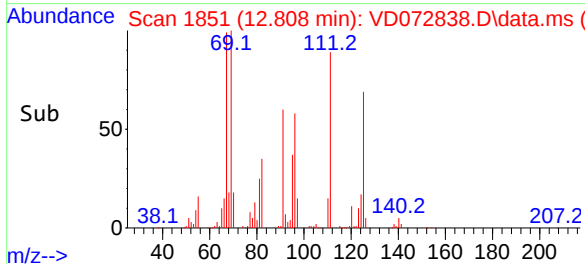
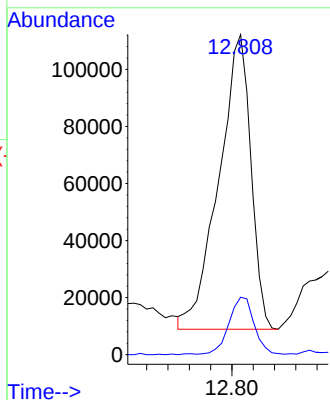
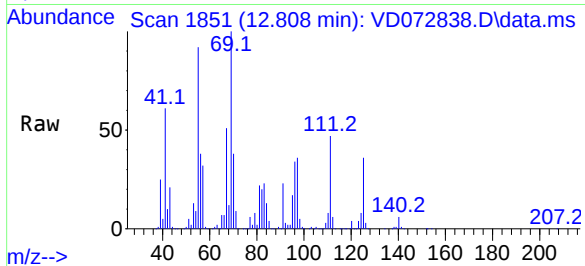




#78
n-propylbenzene
Concen: 5.532 ug/l
RT: 12.808 min Scan# 1851
Delta R.T. 0.000 min
Lab File: VD072838.D
Acq: 06 May 2022 06:03

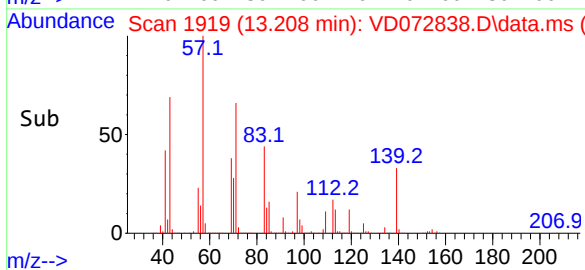
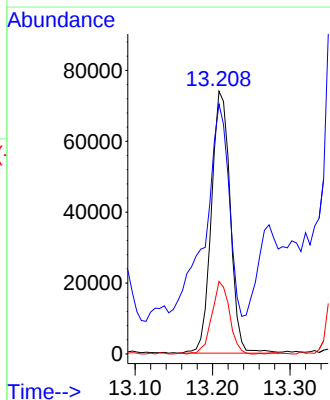
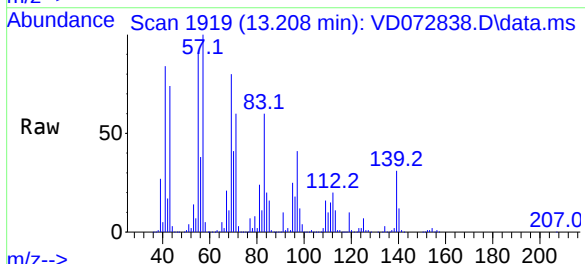
Instrument :
MSVOA_D
ClientSampleId :
GT-05-(11-15)

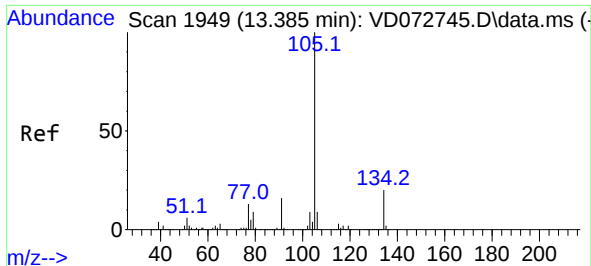
Tgt Ion: 91 Resp: 215483
Ion Ratio Lower Upper
91 100
120 15.6 10.9 32.9



#83
tert-Butylbenzene
Concen: 5.625 ug/l
RT: 13.208 min Scan# 1919
Delta R.T. 0.000 min
Lab File: VD072838.D
Acq: 06 May 2022 06:03

Tgt Ion: 119 Resp: 125324
Ion Ratio Lower Upper
119 100
91 100.3 34.8 104.5
134 26.1 13.3 39.9

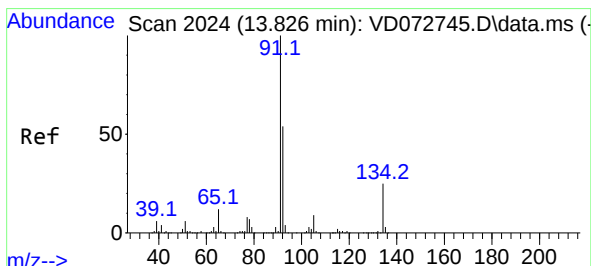
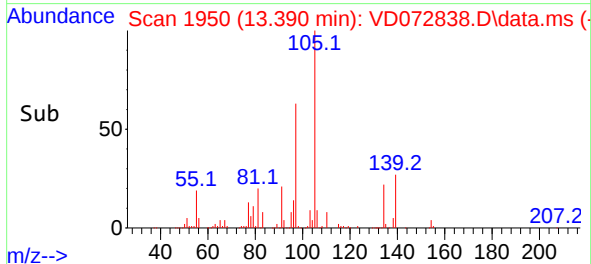
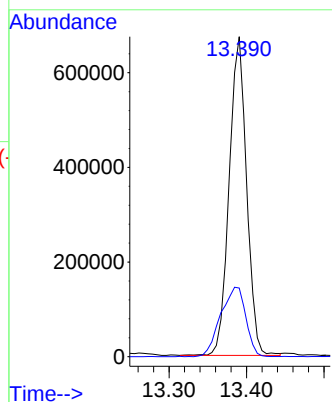
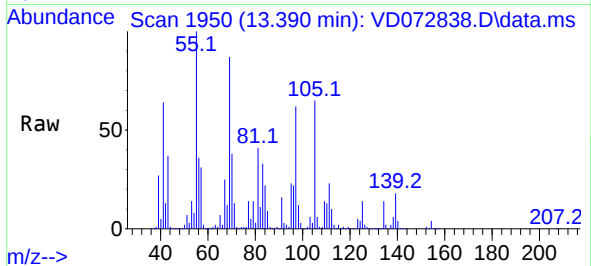




#85
 sec-Butylbenzene
 Concen: 31.364 ug/l
 RT: 13.390 min Scan# 1949
 Delta R.T. 0.005 min
 Lab File: VD072838.D
 Acq: 06 May 2022 06:03

Instrument :
 MSVOA_D
 ClientSampleId :
 GT-05-(11-15)

Tgt Ion:105 Resp: 1053993
 Ion Ratio Lower Upper
 105 100
 134 31.4 9.8 29.3#



#89
 n-Butylbenzene
 Concen: 7.555 ug/l
 RT: 13.832 min Scan# 2025
 Delta R.T. 0.006 min
 Lab File: VD072838.D
 Acq: 06 May 2022 06:03

Tgt Ion: 91 Resp: 201639
 Ion Ratio Lower Upper
 91 100
 92 50.4 26.6 79.8
 134 25.2 12.3 36.9

